

**To:** Purchia, Liz[Purchia.Liz@epa.gov]  
**From:** Grantham, Nancy  
**Sent:** Thur 10/22/2015 7:14:55 PM  
**Subject:** RE: DOI GKM Review Clips

Will do

**From:** Purchia, Liz  
**Sent:** Thursday, October 22, 2015 3:13 PM  
**To:** Grantham, Nancy <Grantham.Nancy@epa.gov>  
**Subject:** FW: DOI GKM Review Clips

Can we ask the D Post and Hill to include this in their stories?

look at pg 69, 3rd paragraph, which concludes that " eventually even if no action had been taken, it may have failed on its own."

**From:** Bressler, Lindsey  
**Sent:** Thursday, October 22, 2015 3:02 PM  
**To:** StClair, Christie <StClair.Christie@epa.gov>; Grantham, Nancy <Grantham.Nancy@epa.gov>; Harrison, Melissa <Harrison.Melissa@epa.gov>; Purchia, Liz <Purchia.Liz@epa.gov>; Hull, George <Hull.George@epa.gov>; Deitz, Randy <Deitz.Randy@epa.gov>; Cohen, Nancy <Cohen.Nancy@epa.gov>; Allen, Laura <Allen.Laura@epa.gov>  
**Subject:** RE: DOI GKM Review Clips

**Denver Post (CO)**

[http://www.denverpost.com/news/ci\\_29008075/gold-king-review-epa-did-not-understand-disaster](http://www.denverpost.com/news/ci_29008075/gold-king-review-epa-did-not-understand-disaster)

**Review: Gold King Mine spill was preventable, disaster potential not understood**

*Department of Interior review says EPA did not know what loomed in the Gold King*

By Jesse Paul

POSTED: 10/22/2015 12:28:11 PM MDTADD A COMMENT| UPDATED: ABOUT 2 HOURS AGO

The 132-page Department of Interior report strays from an EPA internal review of the disaster in August that claimed the massive release was "inevitable."

The Interior report highlights, specifically, that the EPA failed to understand impounded fluid in the mine and the groundwater system affecting the Gold King area.

That "misinterpretation of the groundwater conditions," and the decision not to drill into the mine's collapsed opening to test pressure, led to the massive release. Had the drilling been completed as it was at a nearby mine, the report says, the disaster would not have happened.

"Although this (drilling) was apparently considered at Gold King, it was not done," according to the review. "Had it been done, the plan to open the mine would have been revised, and the blowout would not have occurred."

The interior department's report also says the EPA also did not know the potential for disaster at the site and the possible environmental impacts downstream.

"The incident at Gold King Mine is somewhat emblematic of the current state of practice in abandoned mine remediation," according to the report.

While there are various guidelines for mine reopening work, there is "little in actual written requirements that government agencies are required to follow," the review said.

The 3 million-gallon spill above Silverton on Aug. 5 left the EPA facing immense criticism as yellow-orange contaminants flowed from the Animas River across the southwest. In the disaster's wake, the agency has been working to address the still-leaching mine and other area portals that are releasing contaminants.

The interior department's report was peer reviewed by the United States Geological Survey and Army Corps of Engineers.

The EPA last week began temporary water treatment operations at the Gold King site last week.

This is a developing story that will be updated as more information becomes available.

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### **The Hill**

<http://thehill.com/policy/energy-environment/257780-federal-probe-epa-mine-spill-was-preventable>

### **Federal probe: EPA mine spill was preventable**

By Timothy Cama - 10/22/15 02:51 PM EDT

Federal experts are blaming the Environmental Protection Agency (EPA) for a major mine wastewater spill in Colorado.

Investigators with the Interior Department, who were charged with independently probing the August spill, reported Thursday that the EPA rush through the engineering work leading up to the incident and did not understand the complexity of the abandoned Gold King Mine.

The Thursday report contrasts with one completed in August by the EPA, finding that the blowout of 3 million gallons of dangerous sludge was “likely inevitable.”

Interior’s Bureau of Reclamation found that the EPA, Colorado officials and a contractor decided against drilling a borehole horizontally into the mine, above the pooled wastewater, to determine its volume and pressure.

“This error resulted in development of a plan to open the mine in a manner that appeared to guard against blowout, but instead led directly to the failure,” the report said.

The EPA was roundly criticized after the spill by officials in Colorado and Utah and congressional Republicans, who said the incident showed incompetence and hypocrisy on the EPA’s part.

The heavy metal-laden sludge flowed into a tributary of the Animas River near Silverton, Colo., turning it bright orange and closing it and downstream rivers for days. The agency and its head Gina McCarthy quickly took responsibility for the spill.

The EPA, which requested the report days after the spill, said it would review it carefully.

“This report in combination with the findings of EPA’s internal review of the incident, will help inform EPA’s ongoing efforts to work safely and effectively at mine sites as we carry out our mission to protect human health and the environment,” spokeswoman Nancy Grantham said.

Thursday’s report additionally found that spills similar to the Colorado mine could easily happen.

“BOR found that the conditions and actions that led to the Gold King Mine incident are not isolated or unique and are, in fact, surprisingly prevalent,” the report said. “The standards of practice for reopening and remediating flooded inactive and abandoned mines are inconsistent from one agency to another.”

Richard Olson, an engineer with the Army Corps of Engineers who reviewed the report before it was released, told investigators that he wanted to investigate more about how communications at the EPA broke down about the mine cleanup, and how that contributed to the incident.

But Interior argued that its report should only cover the technical aspects of the spill, so it did not probe communications.

### **Washington Examiner**

<http://www.washingtonexaminer.com/feds-say-epa-to-blame-for-toxic-spill/article/2574710>

### **Feds say EPA to blame for toxic spill**

By JOHN SICILIANO • 10/22/15 2:38 PM

The Interior Department is blaming the Environmental Protection Agency for a 3-million gallon spill of toxic sludge that sullied the waterways of three states.

Government investigators say the spill at the King Gold Mine in Colorado was caused when a cleanup crew rushed its work, triggering the blowout it hoped to avoid, the Associated Press reported, which obtained a copy of the agency's report on the investigation.

The probe by the Interior Department found the spill would have been avoided if the EPA had checked on the water levels before digging into the mine, according to AP.

The findings will be released later Thursday.

The report is being issued after House Republicans held a hearing Wednesday on the spill, prodding an EPA official on why no one at the agency has been disciplined or fired for causing the disaster.

### **Tweets**

#### **Chicago Tribune @chicagotribune**

Investigators: EPA to blame for 3 million gallon wastewater spill from Colorado gold mine  
<http://trib.in/1GX3978>

#### **Rep. Bob Gibbs @RepBobGibbs**

The Gold King Mine spill could have been prevented according to @Interior, EPA must hold those involved accountable <http://abcnews.go.com/US/wireStory/apnewsbreak-epa-mine-spill-prevented-34658258>

#### **Colorado Senate GOP @ColoSenGOP**

Latest from @AP on #EPA spill probe:  
[http://www.denverpost.com/news/ci\\_29007932/apnewsbreak-epa-mine-spill-could-have-been-prevented?source=top\\_stories\\_bar](http://www.denverpost.com/news/ci_29007932/apnewsbreak-epa-mine-spill-could-have-been-prevented?source=top_stories_bar) Says fiasco could have been prevented. #copolitics @epa #tcot

#### **1sergeant rock @1sergeant\_rock**

Should we expect more from this administration ~ Has EPA fired anyone for last summer's toxic spill?

[http://www.americanthinker.com/blog/2015/10/has\\_epa\\_fired\\_anyone\\_for\\_last\\_summers\\_toxic\\_spill.html#.Vik](http://www.americanthinker.com/blog/2015/10/has_epa_fired_anyone_for_last_summers_toxic_spill.html#.Vik)  
#MakeDCListen

#### **Denver Post Breaking @DenverPostBrk**

Gold King review: EPA did not understand disaster potential before spill <http://dpo.st/1PDFY9Z>

**CO Attorney General @COAttnyGeneral**

Gov investigators blame #EPA for #GoldKingMine spill, according to new report. Says officials knew potential for blowout. #AnimasRiverSpill

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**From:** Bressler, Lindsey

**Sent:** Thursday, October 22, 2015 2:27 PM

**To:** StClair, Christie <StClair.Christie@epa.gov>; Grantham, Nancy <Grantham.Nancy@epa.gov>; Harrison, Melissa <Harrison.Melissa@epa.gov>; Purchia, Liz <Purchia.Liz@epa.gov>; Hull, George <Hull.George@epa.gov>; Deitz, Randy <Deitz.Randy@epa.gov>; Cohen, Nancy <Cohen.Nancy@epa.gov>

**Subject:** RE: DOI GKM Review Clips

**Tweets**

**ABC15 Arizona @abc15**

EPA mine spill could have been prevented, government investigators say <http://bit.ly/1LIqnjt> #abc15

**The Associated Press @AP**

BREAKING: APNewsBreak: Government probe concludes EPA missed chance to prevent Colorado mine spill.

**Reclamation @usbr**

Interior Department Delivers Gold King Mine Technical Assessment to Environmental Protection Agency. <http://on.doi.gov/1Mc3avw> #GoldKingMine

**Linda Shapley @LindaShapley**

Interior Department probe blames EPA actions for #GoldKing mine spill <http://dpo.st/1RqNGS6> via @denverpost

**Justin Regan @JustinReganAZ**

@AP reports: DOI says the Gold King Mine spill could have been avoided if EPA checked water levels before digging.

**The Denver Post @denverpost**

JUST IN: Investigators squarely place blame for Gold King Mine spill on EPA: <http://dpo.st/1GteWPq> via @AP

**Jon Sicil @JohnDSiciliano**

EPA to blame for toxic spill in Colorado, says @Interior. Investigation being released soon.

**Alan Neuhauser @alneuhauser**

The Interior Dept. investigation "directly refutes" EPA officials' claim that the spill was "likely inevitable"

**7NEWS Denver Channel @DenverChannel**

Gold King Mine spill in Silverton could have been prevented by EPA, Interior Dept. review finds - <http://www.thedenverchannel.com/news/mine-disaster/gold-king-mine-spill-in-silverton-could-have-been-prevented-by-epa-interior-dept-review-finds>

**Rep. Bill Huizenga @RepHuizenga**

BREAKING: EPA faulted for mine spill in Colorado, federal investigators say spill could have



been prevented <http://bigstory.ap.org/article/7d8b2899205646fcbe5f62bc35c29554/apnewsbreak-epa-mine-spill-could-have-been-prevented> #tcot

### **The Washington Times @wtimespolitics**

APNewsBreak: Government probe concludes EPA missed chance to prevent Colorado mine spill  
<http://ow.ly/35ZiWc>

**From:** Bressler, Lindsey

**Sent:** Thursday, October 22, 2015 2:25 PM

**To:** StClair, Christie <[StClair.Christie@epa.gov](mailto:StClair.Christie@epa.gov)>; Grantham, Nancy <[Grantham.Nancy@epa.gov](mailto:Grantham.Nancy@epa.gov)>; Harrison, Melissa <[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)>; Purchia, Liz <[Purchia.Liz@epa.gov](mailto:Purchia.Liz@epa.gov)>; Hull, George <[Hull.George@epa.gov](mailto:Hull.George@epa.gov)>; Deitz, Randy <[Deitz.Randy@epa.gov](mailto:Deitz.Randy@epa.gov)>; Cohen, Nancy <[Cohen.Nancy@epa.gov](mailto:Cohen.Nancy@epa.gov)>

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### **Associated Press (Update at 2:01 pm – Longer Story)**

<http://bigstory.ap.org/article/7d8b2899205646fcbe5f62bc35c29554/apnewsbreak-epa-mine-spill-could-have-been-prevented>

BILLINGS, Mont. (AP) — Government investigators squarely blamed the U.S. Environmental Protection Agency Thursday for a 3 million gallon wastewater spill from a Colorado gold mine, saying an EPA cleanup crew rushed its work and failed to consider the complex engineering involved, triggering the very blowout it hoped to avoid.

The spill that fouled rivers in three states would have been avoided had the EPA team checked on water levels inside the Gold King Mine before digging into its entrance, Interior Department investigators concluded.

The Associated Press obtained the findings on the Aug. 5 spill on Thursday prior to their public release. The report has implications across the United States, where hundreds of thousands of

abandoned mines have yet to be cleaned up.

The report found that the root causes of the accident began several decades earlier, with changes made by mining companies that altered the flow of groundwater through a series of interconnected tunnels in the extensively mined Upper Animas River watershed.

EPA documents show its officials knew of the potential for a major blowout from the Gold King Mine near Silverton as early as June 2014. EPA officials described the blowout as "likely inevitable" because so much water had built up inside the mine.

The Interior report directly refutes that assertion and says the cleanup team could have used a drill rig to bore into the mine from above to gauge the danger of a blowout.

"This error resulted in development of a plan to open the mine in a manner that appeared to guard against blowout, but instead led directly to the failure," according to engineers from Interior's Bureau of Reclamation who spent two months evaluating the technical circumstances surrounding the accident.

The engineers stopped short of assigning fault to any individuals, despite prior claims from EPA Administrator Gina McCarthy that the probe would determine if any negligence was involved.

A U.S. Army Corps of Engineers official who reviewed the report expressed "serious reservations" over the EPA's failure to explain exactly how its communications broke down, or to justify why its officials were so insistent on starting the work without more information about the engineering complexities involved.

A separate investigation into the spill is pending from the EPA Inspector General's Office.

EPA officials did not immediately respond to a request for comment on the report.

The accident fouled rivers in Colorado, Utah and New Mexico, temporarily shutting down drinking water supplies and cropland irrigation.

Guidelines for cleaning up such mines focus on details such as water sampling and treatment. Yet they have "little appreciation for the engineering complexity" and require but don't receive significant expertise, the Interior Department's 132-page report concluded.

**From:** Bressler, Lindsey

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**To:** StClair, Christie <[StClair.Christie@epa.gov](mailto:StClair.Christie@epa.gov)>; Grantham, Nancy <[Grantham.Nancy@epa.gov](mailto:Grantham.Nancy@epa.gov)>; Harrison, Melissa <[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)>; Purchia, Liz <[Purchia.Liz@epa.gov](mailto:Purchia.Liz@epa.gov)>; Hull, George <[Hull.George@epa.gov](mailto:Hull.George@epa.gov)>; Deitz, Randy <[Deitz.Randy@epa.gov](mailto:Deitz.Randy@epa.gov)>; Cohen, Nancy <[Cohen.Nancy@epa.gov](mailto:Cohen.Nancy@epa.gov)>

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**ABC 7 News, The Denver Channel (CO)**

<http://www.thedenverchannel.com/news/mine-disaster/gold-king-mine-spill-in-silverton-could-have-been-prevented-by-epa-interior-dept-review-finds>

**Gold King Mine spill in Silverton could have been prevented by EPA, Interior Dept. review finds**

Deb Stanley, TheDenverChannel.com Team

12:09 PM, Oct 22, 2015

SILVERTON, Colo. - Government investigators are blaming the U.S. Environmental Protection Agency for a 3 million gallon wastewater spill from a Silverton gold mine, saying a cleanup crew rushed its work and failed to consider the complex engineering involved, triggering the very blowout it hoped to avoid.

The Interior Department probe concludes that the spill that fouled rivers in three states would have been avoided had the EPA team checked on water levels before digging into the mine.

The Associated Press obtained the investigation's findings on the spill prior to their public release on Thursday. The 132-page report has implications across the United States, where hundreds of thousands of abandoned mines have yet to be cleaned up.

### Timeline of spill

Documents and photos released by the Environment Protection Agency (EPA) in late August show how a small leak at the Gold King Mine exploded into a massive spill in a matter of minutes.

The EPA admitted crews were lucky to escape with their lives.

A private contractor was trying to pipe contaminated water from the Gold King Mine to a nearby water treatment system when the spill happened on August 5.

Crews were using heavy equipment to remove loose dirt above the entrance of the collapsed mine on the morning of the spill, the documents show.

According to a detailed timeline from the EPA, at 10:51 a.m. "a small leak was observed approximately 15 to 20 feet above the anticipated elevation of the floor of the wall."

Within three minutes, at 10:54 a.m., "the hole begun to enlarge and water was pouring out."

Four minutes later at 10:58 a.m., the timeline stated "the hole had expanded significantly" and the "access road had begun to wash away" as three million gallons of mine waste poured out.

IN-DEPTH: Complete, ongoing coverage of the disaster

A vehicle belonging to the crew members was caught in the yellow-orange mine sludge, the documents showed.

As the spill was happening, it took the contractor more than an hour to notify anyone downstream including the EPA.

Crews were able to evacuate the mine site in time but said in an email to the EPA that there was no cell or satellite service. They had to use two-way radios to reach nearby crews. Those crews then got in touch with the state who made the proper notifications.

At about 2:00 p.m., the report stated the "flow steadily declined" and crews were able to reconstruct the road.

The EPA has said it did not have an emergency plan in place in case of a blowout, which may have played a role in why it took so long for crews to notify the state.

Lawmakers grill the EPA

Lawmakers have had several hearings since the spill. On September 16, EPA Chief Gina McCarthy defended the EPA's actions, but took responsibility for the Aug. 5 spill.

"This was a tragic and unfortunate incident and EPA has taken responsibility to ensure that we clean it up appropriately," said McCarthy.

"This is a disaster on many levels to our water, to our economy, to our culture," said Sen. Tom Udall (D-NM).

"There's no denying they caused this spill and that was entirely unacceptable," said Sen. Michael Bennet (D-Colo).

Cleanup at the Gold King Mine could end up costing taxpayers more than a billion dollars.

**From:** Bressler, Lindsey

**Sent:** Thursday, October 22, 2015 2:03 PM

**To:** StClair, Christie <[StClair.Christie@epa.gov](mailto:StClair.Christie@epa.gov)>; Grantham, Nancy <[Grantham.Nancy@epa.gov](mailto:Grantham.Nancy@epa.gov)>; Harrison, Melissa <[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)>; Purchia, Liz <[Purchia.Liz@epa.gov](mailto:Purchia.Liz@epa.gov)>; Hull, George <[Hull.George@epa.gov](mailto:Hull.George@epa.gov)>; Deitz, Randy <[Deitz.Randy@epa.gov](mailto:Deitz.Randy@epa.gov)>; Cohen, Nancy <[Cohen.Nancy@epa.gov](mailto:Cohen.Nancy@epa.gov)>

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### **Associated Press**

<http://bigstory.ap.org/article/7d8b2899205646fcbe5f62bc35c29554/apnewsbreak-epa-mine-spill-could-have-been-prevented>

### **EPA mine spill could have been prevented**

By MATTHEW BROWN

Oct. 22, 2015 1:49 PM ED

BILLINGS, Mont. (AP) — Government investigators squarely blame the U.S. Environmental Protection Agency for a 3 million gallon wastewater spill from a Colorado gold mine, saying a cleanup crew rushed its work and failed to consider the complex engineering involved, triggering the very blowout it hoped to avoid.

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